CANADIAN EMBASSY, WASHINGTON, DC,

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Ambuntante de Ca

501 Pennsylvania Ave., H.1 Mashington, D.C. 20001

June 6 1996

DOE-Office of Flesile Materials Disposition c/o SAIC-PEIS

ton, D.C. 20026-3786

Atim: Mr. J. David Multon Director

Dear Mr. Multon:

At the April 20, 1996 Summit on Buchers Safety and Security, leaders agreed that international cooperation is needed for the safe anneasement and use of plutonium no longer required for defense purposes. In support of this objective the Canadian Prise Minister, the Hight Emourable Jean Christian, announced that Canadian had agreed, in principle, to the concept of using this plutonium is "conce-through" mixed-oxide (MEE) fuel for Canadian-based CANDU for weapons pundering the surplus plutonium effectively inaccessible for weapons problems as a significant benefit to non-problems.

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the use of Mox fail from Russian nuclear weapons in Christian Color reactors. There may well be some synatrgies if the United CANDU reactors. There may well be some synatrgies if the United parallel. To this end, further studies and assessments of the CANDU option are being conducted by Atomic Enargy of Canada Limit (AECL) and Ontario Rydro in collaboration with U.S. and Russian emports. When tailing decisions of Continued support for this initiative, the Government of Canada will take carreful note of the Community of these further assessments and the evolving views of the Community of the United States.

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The Department of Energy appreciates the interest of the Canadian Government in this important international activity. DOE has worked closely with Canada to determine if such an alternative would work, and if so, how to best implement it.

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Conds has been a Party to the Trasty on the EnnFroliferation of Melber Waspens (FFT) since it entered into force
in 1970. Through the NFT, Canada Mada an international counterment
and to devalue on exquire mulsar empons. Chanda has a long
listory of initiating and supporting measures to strengthen the
international non-proliferation replace. The CANAD option for
reducing the accessibility of surplus waspens material -- whether
of U.S. or Russian origin -- is entiraly consistent with Canada's
muclear waspens non-proliferation solloy. The full scope of
Canada's muclear proliferation solloy. The full scope of
reliably setsepared (NNEW) vestions.

Conding government policy deep not exclude the use of plutonium makes it as reactor fiel, but the cost of prodecing plutonium makes it as unsector field, but the cost of prodecing plutonium casteror. Unique NOX feel from existing plutonium in a mondurative cudearous, each as the generation of electricity, could make concent each for the GOMOU WAX initiative at conditied to the possible use of existing plutonium no longer required for could as not related to a commercial plutonium fuel

MIX fuel februation using restrict grade phictonium is now a well known technology employed in Germany. France, Belgius, and Britain, and the use of empone grade plutonium would be expected by convoide an added edwartage belause of its leasn; redisseritily. Techniques for transporting and harmling Wix that for the ognoration of electricity have been radiased over the last 10 to 15 years. The compositions of the spent thoil produced by the NOX fuel would be quite similar to that which is currently haing produced uning neutral uranizm. The storage of egent MX fuel would be managed as an integral component of the Canadian spreaduced program. Economy, the mount of the Canadian spreaduced while he same beautiful that from the true the use of natural uranism fuel to connecte the same secont of electricity.

If the DDS selecte Omitatio Bydro CANDO reactors for the plutonium disposition program, implementation would be subject to Canadam federal and provincial policies and regulations. These would include detailed, satisfactory assessments of health, safety and environmental aspects hefore ignuance of an Atomic Emergy of partial barrd (AECS) operating licemes to Omitatio Bydro for the use of MACS assessment process would focus on issues much as the aste and servue transportation of MAX thal from the international boundary as well as amiliers specific to the reactor site.

Haurs sincerely,
L'on Heartest,
Minister-Commentar
Menticer-Commentar

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